

Efka[®] PA 4450

(old: Texaphor[®] 3250)

**general**

polymeric dispersant for inorganic and organic pigments in non-aqueous, polar and non-polar coatings.

Efka[®] PA 4450 avoids flocculation of pigments, increases color strength and also reduces grinding time.

chemical nature

carboxyl functional polymer

Properties**physical form**

clear liquid

shelf life

subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 2 years.

**typical properties
(no supply specification)**

density at 20 °C (68 °F)	~ 1.02 g / cm ³
solid content	~ 50%

Application

It can be used in all systems independent from its polarity, e. g. alkyds, PE, acrylics. 2 - component polyurethane paints, 2 - component epoxy paints, unsaturated polyester. The application in systems with low polarity is possible as well.

Efka[®] PA 4450 is used in combination with all commonly used solvents. It shows good solubility even with isoparaffins which makes it very useful for these systems.

Efka[®] PA 4450 shows excellent performance when used as a dispersant in pigment pastes.

recommended concentrations

The dosage depends on the kind and amount of pigments. Average dosage is between 0.2 and 1.0% calculated on total formulation. Incorporation during grinding is recommended. The optimum efficiency can be obtained if Efka[®] PA 4450, pigments and solvents are mixed before resin is added.

recommendation for a pigment paste based on long oil alkyd in isoparaffines:

iron oxide red	6 - 7 p.b.w. on pigment
phthalo green	40 - 50 p.b.w. on pigment
carbon black	60 - 70 p.b.w. on pigment

Safety

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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BASF SE
Formulation Additives
67056 Ludwigshafen, Germany
www.dispersions-pigments.bASF.com
formulation-additives-europe@basf.com
formulation-additives-asia@basf.com
formulation-additives-nafta@basf.com
formulation-additives-south-america@basf.com